ISSN 0016-4844

Vol. 46, No. 13 • Index 1990

gas abstracts

Institute of Gas Technology

gas abstracts

Volume 46, No. 13 Index 1990

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Czechoslovak Academy of Sciences, 0710
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Daguenet, M., 1959
Dahiya, R. P., 1675
Dahl, A., 1970
Dahl, C., 1462
Dahm, W.J.A., 0937
Dajic, N., 1684
Dalbeck, B. W., 0966
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Delichatsios, M. A., 0216
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Delotto, R., 1125p
DeLuchi, M. A., 0922, 1172
Del Valle, A., 0707
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Denver Research Institute, 1603
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Durai-Swamy, K., 1961
Durier, F., 0381f
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El-Hinnawi, E., 0003b
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European Centre for Medium-Range Weather Forecasts, 0693
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Gevert, S. B., 1968
Gewerbeaufsichtsamt Stuttgart, 2310f
Geyer, W. A., 0067
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Ghaly, A. E., 1750, 1751
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Gillette, J. L., 0195
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Gippsland Cathodic Protection Services Pty. Ltd., 0581
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Gist-Brocades N.V., 1046p
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Gostclow, B. F., 1612p
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Guevara, N.E.S., 2527f
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Guiot, S., 2455
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Gujarat Agricultural University, 1015
Gulf Canada Resources Ltd., 1247r
Gummel, P., 1034
Gunaseelan, V. N., 0300
Gunn, P. J., 1951
Guntermann, K., 0780f, 1991f
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Harris, R. J., 1808
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Hayatdavoudi, A., 1940
Hayden, C. G., 2671
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Heeman, A., 1850f
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Hernandez, R. J., 1998
Herndon, F. G., 1982
Herold, K. E., 0380
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Hesselbarth, K., 2549f
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Hunter/RS&H, 1969
Huntley, A. R., 1722p
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INA R&D, 1684
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Inco Alloys International, Inc., 1941
Indesit Industria Elettrodomestici Italiana SpA, 1125p
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Indiana State Geological Survey, 1287
Indian Institute of Chemical Technology-Hyderabad, 1737
Indian Institute of Petroleum, 0257

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Indian School of Mines, 0056
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Indugas, Inc., 0165, 1622, 2326
Industrial Technology Research Institute, 1967
Industrial Trade Exchange, Inc., 0928p
Infanger, G., 2087
INFORM, Inc., 0202b
Ingenieurbüro Posch & Partner, 2497f
Ingenieurgemeinschaft für Wärmetechnik, Strömungstechnik und Prozesstechnik, 1860f
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Institute of Atmospheric Physics, 0693
Institute of Catalysis, 0653
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Leeds University, 1019
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Legrand, R., 1969
Lehigh University, 1324
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Linhoff March, Inc., 0388
Linke, A., 0571p
Linné, M., 1968
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Lloyd's Register of Shipping, 1585
Lo, K. V., 0059, 1980, 2447, 2693
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Lobovikov, N. N., 2495f
Locklin, D. W., 1404, 1405
Lockyear, C. F., 1939
Lofe, J. J., 1884
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Louinis, J., 1316
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Louisiana State University, 0500, 1315, 1462, 1938, 2002
Louisiana Tech University, 1246, 1933, 2164
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Love Process Engineering, Inc., 1997
Lovett, J. A., 0447
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Luthy, R. G., 1985
Luyten, W., 2536p
LVE Verfahrenselektronik GmbH, 1866f, 1868f
LVE Verfahrenstechnik GmbH, 2333f
L'vovskii Politekhnicheskii Institut, 1395f
Ly, K. C., 1951
Lyall, R. W., 0849p
Lyashenko, A. V., 1784f, 2007f
Lyashenko, V. F., 0594f, 2284f
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Makovich, L., 1644
Maksimenko, G. S., 2318f
Malaysia LNG Sdn. Bhd., 0839
Malcosky, N. D., 0159
Maldla, E. E., 1938
Malewski, W. F., 2118
Malhotra, S., 1631r
Malia, C., 1467
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Manley, D. L., 0882
Mannan, M., 0337
Mannesmann Forschungsinstitut, 1576f
Mansoori, G. A., 0810, 2387
Mansour, M. N., 1961
Mansoura University, 1309
Mansy, H., 2542
Manyachenko, A. V., 1784f
Marathon Oil Co., 1181r, 1294, 2169, 2281
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Massey University, 1306b
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Massoudi, M., 2700
Masters, J., 0471, 2358r, 2563p, 2564p
Masters, T. M., 1969
Masuda, M., 2481
Masuda, T., 2633
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Mattina, M.J.I., 2842
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Maugweiler, W., 1048
Maurer, W. C., 0595p, 0848p
Maurer Engineering Inc., 0359, 2285
Mavko, B. B., 1270
Maxwell, G., 1977
Maxwell, T., 0525
Maynard, M., 2325
Mayrath, J. E., 0685
Mazel', A. G., 1782f
Mazharoglu, C., 2763
M. Azizbekov Azerbaidzhan Institute of Petroleum and Chemistry, 2501, see also Azerbaidzhanskii Institut Nefti i Khimii im. M. Azizbekova
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McKee, C. R., 1269, 1716, 1944
McKee, R. J., 2499, 2500
McKeon, R. J., 2208
McKeough, K., 1925
McKinsey & Co. Inc., 0954
McKown, D. M., 0520r
McLean, D. D., 1981
McLennan, J., 0272
McLennan, J. D., 0243, 0488
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Meisen, A., 1351
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Mekhanikov, A. I., 1881
Melamed, D., 0664r
Melvin, A., 1701b, 1955p, 2394
Membrane Technology and Research, Inc., 0106
Mendeleev Moscow Chemical-Technological Institute, 2223r, see also MKhTI im. D.I. Mendeleeva
Mendis, M. S., 1964
Menger, W. M., 0092p
Menghini, M. L., 0980
Mensch, H. L., 0458r
Mensinger, M. C., 0556p
Menufiya University, 1521
Menzie, C., 1987
Menzies, W., 1032, 1033
Mercer, J., 2753p
Mercury Instruments, Inc., 0366
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Micro Solutions, 0823, 1480, 1789
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Midwest Research Institute, 0908
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Mijnarends, H., 1414f
Mikhailovskii, A. A., 1076f
MIKhM, 2009f
Miles, T. R., 1008r
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Miles Inc., 1971
Miller, F. R., 1755
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Milier, V. H., 0390
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Ministry of Industry, 1683
Ministry of International Trade and Industry, 0703
Ministry of Petroleum and Energy, 1203
Mink, R. M., 0036, 2676
Minneftegazstroi, 1921f
Minnegasco, Inc., 1140, 1398, 2774
Minott, D. H., 1974
Minsker, B. S., 2102
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Mishra, A. K., 0056
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Mitre Corp., 1964
Mitsubishi Corp., 2633
Mitsubishi Denki KK, 0428p, 0919p, 1650p, 1651p
Mitsubishi Heavy Industries, Ltd., 1799, 2029r
Mitsubishi Jukogyo KK, 2535p
Mitsubishi Plastics Industries, Ltd., 2038
Mitsui Engineering & Shipbuilding Co., Ltd., 1800
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Mittelrheinische Erdgastransport GmbH, 0587f
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Moeller, R., 1941
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Möhl, H. R., 1856f
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Mojtahedi, W., 2201
Molinard, J.-E., 2278f
Mollion, J., 1307b
Molodtsof, Y., 1979
Molson, K.-D., 0597f
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Monazam, E., 0075
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Montclair State College, 2628
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Mosaic Industries, Inc., 1908
Mosbacher, M. L., 1450, 2399
Moscow Gas Processing Plant, 0207
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MTCI, Inc., 1961
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Mügge, G., 0885f
Mukai, J., 0703
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Murphy, C. L., 1269, 1944
Murphy, J. J., 1220
Murphy, M. J., 1405
Murphy, R. W., 0051, 1950
Murray, J. G., 0884
Murray, J. N., 0600
Murray, T. H., Jr., 1503
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Gas Research Insights
Gas Research Institute Digest, GRI Reports
Gas Turbine World
Gas Wärme International (West Germany)
Gas Wasser Abwasser (Switzerland)
Gas, Wasser, Wärme (Austria)
Gas World (Great Britain)
Gaz d'Aujourd'hui (France)
Gazovaya Promyshlennost' (U.S.S.R.)
GWF-Gas/Erdgas (West Germany)
Heating and Air Conditioning Journal (Great Britain)
Heating/Piping/Air Conditioning
Hungarian Journal of Industrial Chemistry
Hydrocarbon Processing
IGT Symposium Papers
IGT Technical Reports
Independent Power
Indian Journal of Technology
Industrial & Engineering Chemistry, Research
Industrial Heating
Institution of Gas Engineers Communications
InTech (Instrumentation Technology)
Intelligent Instruments & Computers
International Chemical Engineering
International Journal of Air Pollution Control & Waste Management
International Journal of Energy Research (Great Britain)
International Journal of Heat and Mass Transfer
International Journal of Hydrogen Energy
International Journal of Multiphase Flow
Japan Gas Association Journal
Journal of Analytical and Applied Pyrolysis
Journal of Canadian Petroleum Technology
Journal of Catalysis
Journal of Chemical and Engineering Data
Journal of Chemical Engineering of Japan
Journal of Chemical Industry and Engineering (China)
Journal of Chemical Thermodynamics
Journal of Chemical Technology and Biotechnology (Great Britain)
Journal of Chromatographic Science
Journal of Coal Quality
Journal of Fuel Chemistry and Technology (China)
Journal of Geology
Journal of Materials Research
Journal of Nondestructive Evaluation
Journal of Petroleum Technology
Journal of Pipelines
Journal of Sedimentary Petrology
Journal of the Electrochemical Society
Journal of Transportation Engineering
Khimicheskaya Promyshlennost' (U.S.S.R.)
Kőolaj és Földgáz (Hungary)
LNG Observer
LP-Gas
Management of World Wastes
Materials Performance
Measurements and Control
Modern Chemical Industry (China)
Natural Gas
Neft' i Gaz (U.S.S.R.)
Noroil (Norway)
Oil & Gas Journal
Oil Gas European Magazine
Petroleum Economist (Great Britain)
Petroleum Engineer International
Petroleum Independent
Pipeline
Pipeline & Gas Journal
Pipeline & Utilities Construction
Pipe Line Industry
Pipes & Pipelines International (Great Britain)
Plyn (Czechoslovakia)
Powder Technology
Power
Process Engineering (Great Britain)
Process Industries Canada
Progress in Energy and Combustion Science (Great Britain)
Propane Canada
Public Utilities Fortnightly
Quality
Reactivity of Solids
Resources, Conservation and Recycling (Netherlands)
Resources Policy
Review of Scientific Instruments
Revista del Instituto Mexicano del Petróleo
Revista Tecnica de la Facultad de Ingenieria, Universidad del Zulia (Venezuela)
Revue de l'Energie (France)
Revue Générale de Thermique (France)
Revue Générale du Gaz (Belgium)
Rivista dei Combustibili (Italy)
Ropa a Uhlie (Czechoslovakia)
Science
Scientific American
Stroitel'stvo Truboprovodov (U.S.S.R.)
Torfyanaya Promyshlennost' (U.S.S.R.)
Turbomachinery International
U.S. Patents
Wärmetechnik (West Germany)
World Oil
Zeitschrift für Angewandte Geologie (East Germany)
Zhurnal Fizicheskoi Khimii (U.S.S.R.)

Associations

Air Conditioning and Refrigeration Institute
Air Pollution Control Association
American Association of Petroleum Geologists
American Chemical Society
American Gas Association
American Institute of Chemical Engineers
American Institute of Mining, Metallurgical, and Petroleum Engineers
American Society of Civil Engineers
American Society of Gas Engineers
American Society of Heating, Refrigerating, and Air Conditioning Engineers
American Society of Mechanical Engineers
Australian Gas Association
Austrian Association for Gas and Water Industries
Austrian Society for Petroleum Sciences
British Gas plc
Canadian Gas Association
Canadian Natural Gas Processing Association
Combustion Institute
Gas and Petroleum Association of Ontario
Gas Appliance Manufacturers Association
Gas Processors Association
Gaz de France
German Association of Gas and Water Industries
German Association of Petroleum Geologists and Engineers
German Society for Petroleum Science and Coal Chemistry
Hungarian Scientific Society of Energy Management
Illinois State Geological Survey
Independent Natural Gas Association of America
Institute of Energy (Great Britain)
International Gas Union
International Institute of Refrigeration
Italian National Industrial Gas Association
Japan Gas Association
Midwest Gas Association
National Association of Corrosion Engineers
National Fire Protection Association
National LP-Gas Association
National Warm Air Heating and Air Conditioning Association
Netherlands Gas Association
Pacific Coast Gas Association
Petroleum Institute of Pakistan
Petroleum Society of the Canadian Institute of Mining and Metallurgy
Pipeline Simulation Interest Group
Romanian National Council of Engineers and Technicians
Royal Belgian Gas Association
Society of Fire Protection Engineers
Society of Petroleum Engineers
Southern Gas Association
Spanish National Syndicate of Water, Gas and Electricity
Swedish Gas Association
Swiss Society of Gas and Water Engineers
U.S.S.R. Scientific-Technical Society of the Oil and Gas Industry
Wisconsin Utilities Association

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